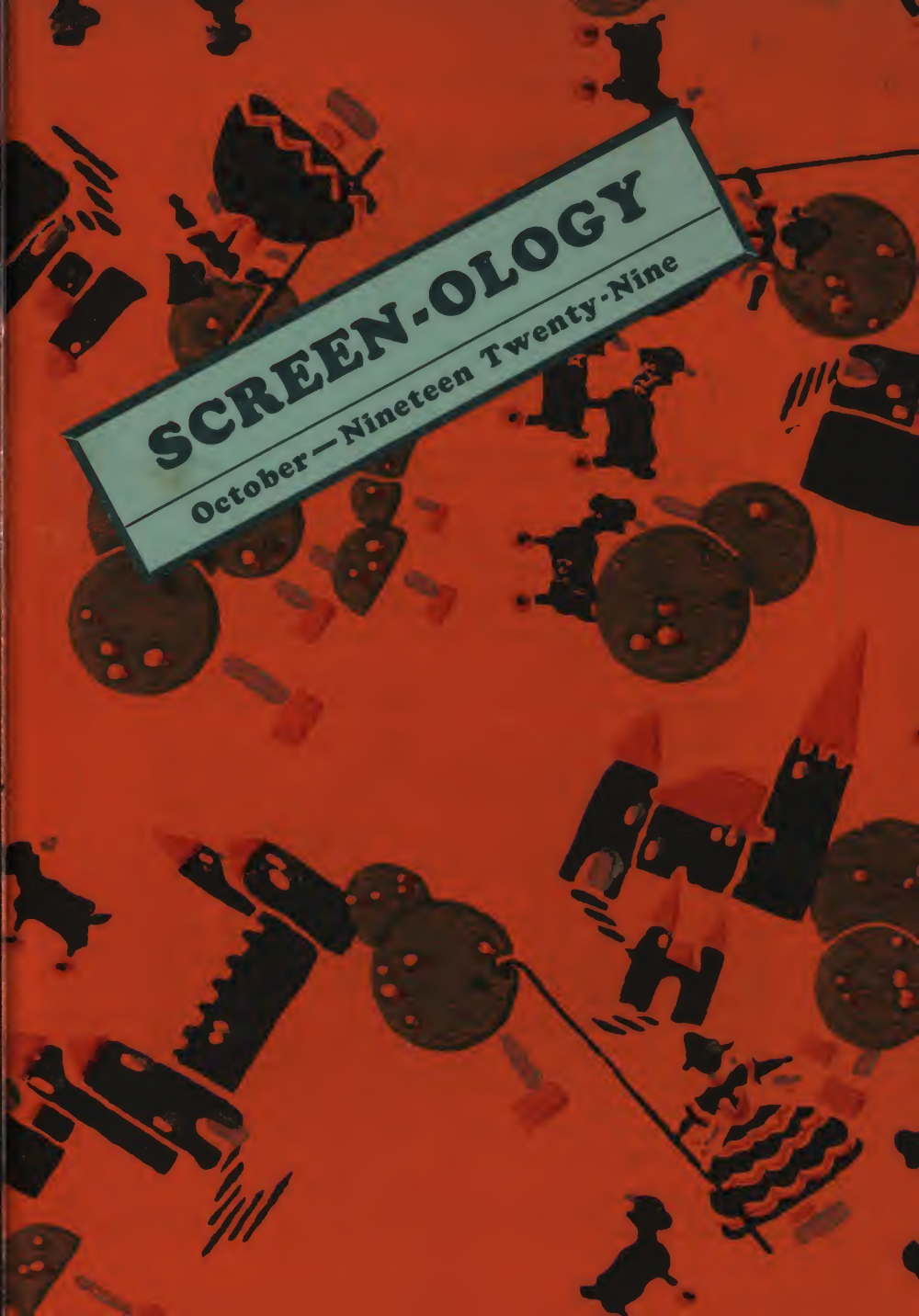


SCREEN-OLGY

October — Nineteen Twenty-Nine





IN brilliant garments of crimson and gold, with waving cornstalks, fat pumpkins, purple grapes and the splendor of autumn sunsets comes the pageant of the October harvest.

Summer is creeping beneath its covers for the long winter's sleep and this burst of flaming color signals the season's end.

Soon the skirmish line of snowflakes will be in the air and the chill breezes that announce the approach of Jack Frost and his white legions.

October is a good time to sum up the joys and accomplishments of the summer and to deliberate on plans for the oncoming winter. For many of us—the summer has had its joys and its anxieties.

Signs of better times are in the air. Industry is gaining strength, and optimism and confidence are in the minds of men of vision.

October's a month of energy and beauty and color and sombre blending of the mellowed brilliancy of summer. It's a month for work and enthusiasm, a month for sober constructive thought, a month for ambitions and aspirations, for the fearless facing of the winter months ahead, a month when the stored-up summer energy is brought into play and when constructive habits for useful days and evenings are formed.

October's an ideal month for good resolutions, to make the long evenings worth while in wholesome play and study and self-improvements. To get into the right relation with our businesses and fellows, our families, our friends, our bodies, our minds. —

It's a good month to interest ourselves in things worth while, in our personal and community lives, and to work all these elements of modern living into such proportions and such relationship and such rotation—and such sensible routine as will make us well-balanced individuals, strong of body, strong of will, strong of heart, and yet gentle and pliable enough to live and work peaceably with all men.

—The Screen-ologist.

SCREEN-LOGY

Published by The Johnson Metal Products Company, Erie, Pa. Being a monthly get-together of the folks who make all-metal screens — and those who recommend them.

October - 1929

SAVING MONEY ON SCREENS

FROM November first to March first is quite a slow period for screen manufacturers. Factory forces are cut to a minimum while the Overhead still goes on.

During this slow season we are prepared to quote attractive prices on screens which we can manufacture for spring delivery.

The advantage of placing screen orders during the winter months is not only in the monetary saving, but being assured of on-time delivery in the spring.

Fortunately our factory has always been kept quite busy during the winter months working on Spring delivery orders. Such an arrangement is ideal. During those months we have no immediate delivery problems to contend with. Much of our overhead is absorbed in this manner during the Winter season which fact enables us to effect a considerable saving on the purchase of screens.

Our dealers are prepared to co-operate with you and will give you the benefit of our winter schedule price reductions for orders placed before February first. Or you may communicate direct with the factory on any screening problems in which you are interested.

IF YOU THINK CO-OPERATION IS UNNECESSARY, WATCH
WHAT HAPPENS TO AN AUTO IF ONE WHEEL COMES OFF

THE BLUES

ACCORDING to all figures, scientific data and physicians reports, Americans are subject to attacks of "the blues" more than the people of any other country.

"The blues" may be diagnosed as a chronic state of being out of sorts, out of tune with everything and everyone, one's self included. The symptoms are melancholia, gloom, depression, a distinct lowering in mental tone and poise, physical inactivity with organic disturbances of the stomach, liver and spleen. The feeling is one apart from sorrow. The common "blues" may be said to resemble sorrow only as mist resembles rain.

The attack may be attributed to being broke, fear of being broke, to falling hair, jazz music, unrequited love, taxes or mother-in-law." The blues" may be banished by courage, patience and determination to accomplish the task set for you, or usually by a long walk in the early morning.

Stop worrying, eat within reason, sleep one-third of your time, be on the job, don't day-dream, enjoy blue eyes, blue sky and blue sea, but keep away from the other "blues." They spoil your temperament, ruin your digestion, blight your business chances, drive off your friends and shorten your life.



The above is a photograph of Allegheny State Park Administration Building at Salamanca, N. Y., in the last stages of completion. JOHNSON steel frame screens with bronze wire cloth were used throughout. Installation completed in September.

THE WORLD ISN'T ALL BAD. WE HAVEN'T
YET SEEN A SUGGESTIVE CROSS-WORD PUZZLE

GOOD JUDGMENT

GOOD judgment is the most fundamental thing in life, claims a speaker addressing college students. That's putting it a bit broadly. But good judgment undoubtedly is the most important function of the brain.

Success depends largely on it. So does happiness—which is possible only by wise selection of a mate, friends, personal actions and mental attitude toward life.

Good judgment is to considerable extent inborn in all women. Men usually have to acquire it. And it can be acquired—by broad education, open mindedness, determination to learn both sides of the question thoroughly and by a sense of values based on contrast.

The speaker tells the college students that in school they should get the ability to reject the wrong and select the right instinctively. Unfortunately, it cannot be done instinctively. Snap judgment is rarely good judgment. Deliberate thinking—reasoning—is necessary.

The fallacy of most "intelligence tests" is that they are based on ability to think fast rather than to think straight.

The best thinking is slow thinking. Genius is not an exception—it is one-sided, rarely has good judgment.

Children often wonder why they have to go to school and learn so many things that they'll never use directly in later life.

The answer is that the purpose is to develop the power to recognize, understand, analyze and value. That is the goal, rather than filling a brain with dates and facts like pouring gasoline into a motor car.

The old-timers educated to impart facts. The new way is to impart the power to reason and utilize, with recognition that to know where to find any desired knowledge when needed is better than to be able to pronounce all the words in the dictionary, rattle off all the dates in history, or recite the classics by heart.

Mathematics, for instance, may not be put to much use in an adding-machine age. But it develops reasoning—the power of good judgment, of being able to determine values.

SOMEHOW IT'S ALWAYS EASY TO TUNE OUT
THE STATION THAT HAS THE BETTER PROGRAM

SCREENINGS

Correct this sentence: "Go ahead and use the car, dad," said he, "My girl and I can walk."

America is a place where the first duty of man is to keep woman dressed up.

A kind heart enables us to forgive the criminal who got the other fellow's roll.

Husbands who lose their memories and wander off, seldom forget where the other woman lives.

A man isn't really old unless he isn't going anywhere after supper.

A fountain pen isn't like a man. It never gets cussed if it remains upright.

One often wonders whether radio announcers go right to bed when they say good night.

Another hard part of a white-collar job is making the collar last three days.

It must annoy a brilliant young man to depend on his old-fogy dad for spending money.

Wife: "Why do you suppose plasterers receive \$18 a day?"

Husband: "Well, they cover up some of the mistakes the bricklayers make."

One difference between death and taxes is that death isn't perennial.

For jazzy sounds we never root,
Yet one delights our ear,
The coal a-rattling down the chute
Makes music to our ear.

A Labor Union

"I understand it was a money marriage."

"Yes, he's a plumber and she's the daughter of a bricklayer."

Most any young sheik can see a pretty ankle three blocks away, but he gets stone blind at a railroad crossing and cannot see a locomotive.

Good things cost more to buy because they cost more to make—but you get more value out of them because more value has been put into them. If you refuse to buy these good things you pay for them just the same, plus a penalty, through what you forfeit in service.

More girls would probably be willing to tackle the cook stove if they could jerk it around with a steering wheel.

Brazil can expect to enjoy rapid industrial expansion for some time to come. A recent estimate indicates that 378 of its known and important waterfalls can develop 60,000,00 H. P.



One view of the Women's Dormitory, Cornell University, Ithaca, N. Y., is shown above. This photo was taken the latter part of September when work was being rushed to have building ready for use in October. JOHNSON bronze frame screens were used throughout. Dall-Hayden-Treat, Inc., Grand Central Terminal, New York City, were the Builders.

AN INVITATION

SHOULD you be passing through the city of Erie, Pa., at any time we cordially invite you to call and visit our factory and see how JOHNSON screens are made. The process of production is practically a continuous operation from the raw material to the finished screen.

The steel and bronze used in the JOHNSON frame are purchased in ribbon-like coils, fed into our own special-built forming machines which produce the various channels that make up the frame. These channels are then conveyed to the cut-off saws. The sawyer has a sketch of each individual screen on an order and cuts the channel to the exact measurements as specified. The four sides of the screen are assembled, numbered and inspected after which each screen is thoroughly cleaned, rinsed and dried before going to the painting department. From the painting department the screens are carried into a high temperature oven where they remain for several hours. After removal from the oven, the screens are again inspected as to size and finish, and sent to the screening department. From the screening department the screens are conveyed to the shipping department where a final inspection is given each screen before being boxed up.

No other screen is manufactured like the JOHNSON and a visit to our factory will prove very interesting to you.

THE MAN WHO WAKES UP AND FINDS HIMSELF FAMOUS
HASN'T BEEN ASLEEP

JOHNSON SCREENS



In this illustration we show some of the large screens we have produced. Strength and rigidity is obtained by using re-wireable cross-braces. These

particular screens were made of our 1" frame. The same construction for very large screens can be had with our standard 1½" frame.

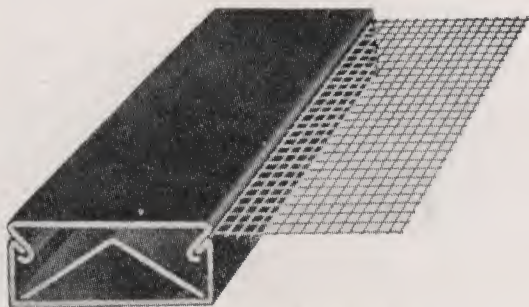
OUR DUPLEX SCREEN

This screen is for casement windows. To easily operate the casement, we have a hinged screen as shown in illustration at "A." This type of screen is very popular for old-style casement windows. It is more satisfactory than sliding or pivot screens for the reason that flies and other insects cannot enter the room when the casement is being operated.

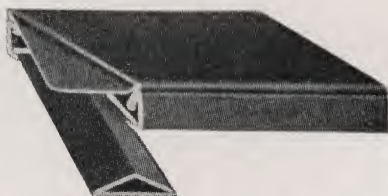
Our DUPLEX screen can be instantly removed in ONE piece for window washing, or for any other purpose requiring the removal of screens, leaving no unsightly head pieces, hanging stiles or guides.



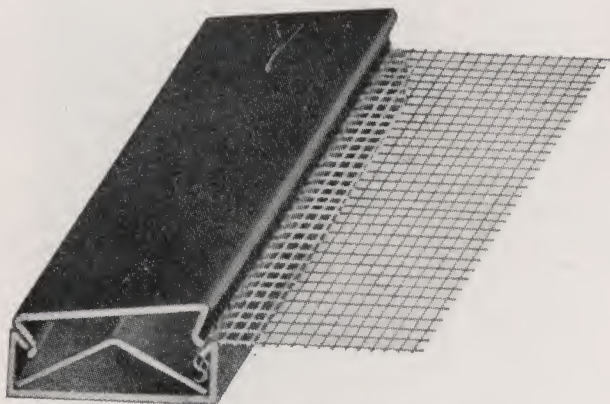
Patents Pending



The above illustration shows the interlocking of upper and lower channels of the JOHNSON Tubular Patented Frame. Patent 1698885



Miter joint at corners, reinforced with angle fillet



No other screen can be so easily and quickly screened or rewired as the JOHNSON screen

The mat
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sort to cate

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screen cloth

**Sign
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are
interested**



DETAILS OF SCREEN FRAME

Material for the JOHNSON screen frame— steel or bronze— comes to us from coils. We have our own gear-head machinery, built in our own factory, which the coiled stock is run and formed according to the requirements of construction.

Angular brace shown in the illustrations at the left is sweated the entire frame. This truss construction gives our frame added strength. You get there are no creases or indentures in the cap; there is nothing of that dust or dirt.

Members of the screen are reenforced with a one-piece corner brace firmly in place.

Lower illustration note the re-wireable feature. Simple— isn't it? In case of breaking or becoming injured, pry up the top cap with a screw driver: remove cloth as shown: force top cap into place with a wooden mallet. That's all. Look at the top illustration. As the top cap is sprung into the place, the wire is drawn taut thus preventing bagginess. A perfect product.

THE SCREEN-OLOGIST

DRAWER 741

Date_____

ERIE, PA.

I am interested in the items checked below. Kindly forward same without obligation on my part.

- ☐ Send copy of your complete screen catalog.
- ☐ Send sample corner section of your screen.
- ☐ Keep us on your mailing list for SCREEN-LOGY.

Name _____

Post Office address _____

Town or City_____

LIGHT METAL DOORS

These doors are very attractive in appearance. They are not designed for continuous or hard usage, nor for large openings, but are intended for use in connection with porch openings and small entrance doors.

BRONZE FRAMES: Material .028 bronze — natural finish, polished and lacquered, and statuary, 16-mesh bronze wire cloth, including hardware as given in specifications.

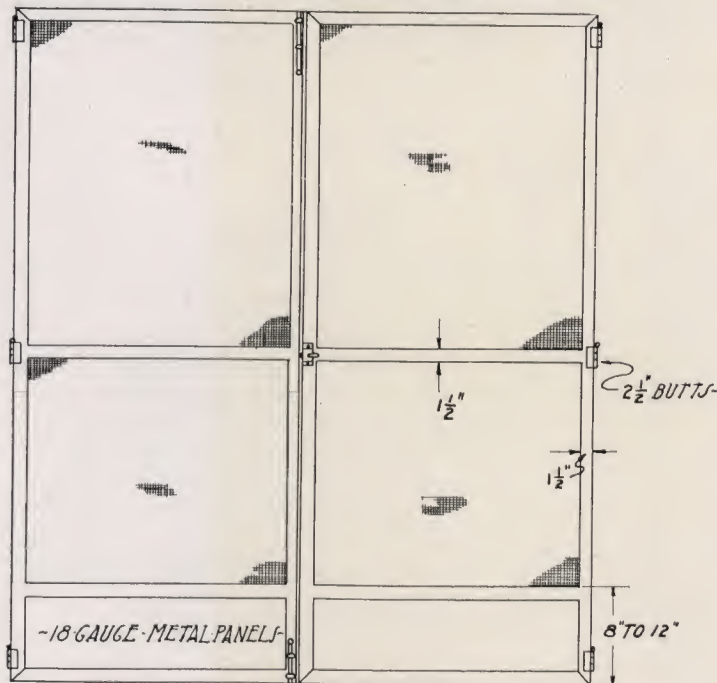
STEEL FRAMES: Material .025 electro-galvanized copper bearing steel with dark and light color finishes. 16-mesh bronze wire cloth. Hardware as given in specifications.

SPECIFICATIONS

FRAME: $\frac{1}{2}$ " thick. Width bottom rail 8" to 12". Stiles and top rail $1\frac{1}{2}$ ". Cross rails $1\frac{1}{2}$ " of the re-wireable type. Doors should have at least one cross rail.

HARDWARE: Latch, $2\frac{1}{2}$ " x $2\frac{1}{2}$ " loose pin butts and bolts. All solid brass or bronze.

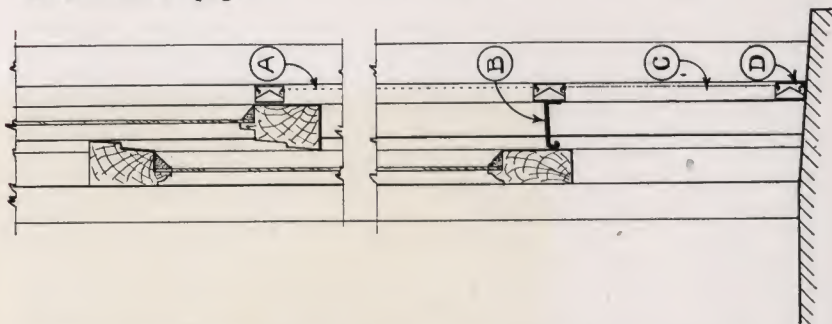
Hardware for double doors is the same as for single doors except that top and bottom bolts are furnished for stationary leaf.



-DOUBLE DOOR ASSEMBLY-

HOSPITAL SCREEN

We call this our All-weather screen because it is practical and efficient for winter and summer use. It is not merely a screen to keep out flies and insects, but is a ventilating screen as well. See additional details on next page.



STANDARD 16 MESH BRONZE
WIRE CLOTH

TO THE RIGHT IS A SECTIONAL VIEW SHOWING
LOWER SASH RAISED TO THE FINE MESH SECTION
OF SCREEN.

"A" SHOWS THE 16 MESH BRONZE WIRE.

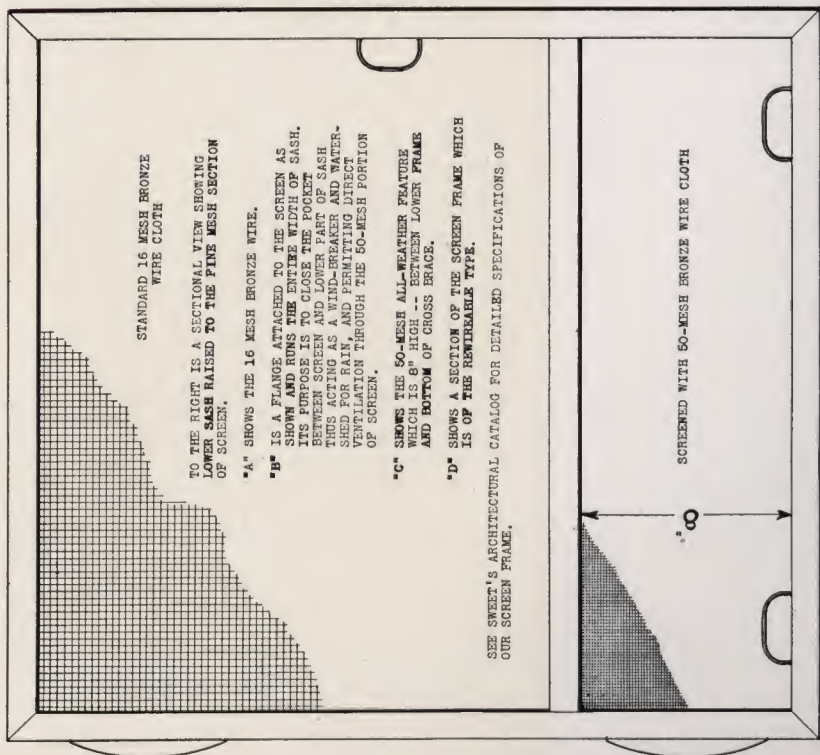
"B" IS A FLANGE ATTACHED TO THE SCREEN AS
SHOWN ABOVE. THE ENTIRE WIDTH OF SASH.
ITS PURPOSE IS TO LOCK THE SCREEN
BETWEEN SCREEN AND LOWER PART OF SASH
THIS ACTING AS A WIND-BREAKER AND WATER-
SHED FOR RAIN, AND PERMITTING DIRECT
VENTILATION THROUGH THE 50-MESH PORTION
OF SCREEN.

"C" SHOWS THE 50-MESH ALL-WEATHER FEATURE
WHICH IS 6" HIGH. SCREEN LOWER FRAME
AND BOTTOM OF CROSS BRACE.

"D" SHOWS A SECTION OF THE SCREEN FRAME WHICH
IS OF THE REMOVABLE TYPE.

SEE SHEET'S ARCHITECTURAL CATALOG FOR DETAILED SPECIFICATIONS OF
OUR SCREEN FRAME.

SCREENED WITH 50-MESH BRONZE WIRE CLOTH



ALL-WEATHER SCREEN DETAILS

The construction of the All-weather screen is similar to other JOHNSON screens, except that the major portion of the All-weather is screened with standard 16-mesh wire cloth, while the remaining section is screened with finely woven 50-mesh cloth.

In the illustration on preceding page is shown the method of using the two types of screen cloth. In the cross section, "A" shows the 16-mesh bronze wire. "B" is a flange attached to the screen as shown and runs the entire width of sash. Its purpose is to close the pocket between screen and lower part of sash thus acting as a wind-breaker and water-shed for rain, and permitting direct ventilation through the 50-mesh portion of screen.

The All-weather screen is ideal for hospitals, apartments, hotels and sleeping rooms in residences. It eliminates the necessity of purchasing two screens, i. e. a regular screen for summer use, and a ventilating screen for winter use.

As a summer screen: raise the window and get the benefit of ventilation through the entire screen. Should a rain or heavy wind come up— lower the window to the fine mesh section, which will provide ample ventilation and will also exclude the rain.

As a winter screen: the 50-mesh section (even finer than Pullman car screens) provides ample ventilation but excludes the snow, soot, etc.

The use and expense of small sliding screens or ventilators is eliminated when the All-weather screen is used.

There is no better screen than the All-weather for Hospitals. It prevents drafts and gives abundance of ventilation.

For the sleeping room, the All-weather screen has no equal.

For Economy: the fine 50-mesh screen excludes all foreign matter such as soot, dust, etc., thus protecting the interior finish of the sash, drapes and curtains.

Re-Wireable Frame: The All-weather is also re-wireable—including the cross brace.

A MAN'S CONSCIENCE HARDLY EVER CRIES
OUT IF THERE'S ANYONE AROUND TO HEAR IT

THE SCALES OF LIFE

Did you ever notice a weighing scale—how the beam swings clear and free?—how it swings with its load like the wind-filled sail of a ship on a wave-lapped sea? How it gathers poise as adjustment's made and creeps to its balanced rest—till the worth in pounds of the burden weighed—is proven by honest test?

The scales of the world have staggered 'neath—burdens that follow strife—and the beams of the Nation's balance swing far past the poise of life. Far from the mark of the balance sway—the Bolshevic and the Red—and nearly as far in another way—the Turk and the Moslem dread. Magyars and Slavs and Bulgars rave—and their lands are torn with strife—while others, the Greek and the Horvat pave, with malice their path through life.

Saxons and French and the Romans strive to steady the beam in poise, and strike a balance of power, alive—to the dangers in wrath and noise.

Our mighty nation across the sea from the clash of the wrangling states, watches the swing of the balance free, watches—listens—and waits. Nor knows what these years of unbalanced peace, may weave as the scale beams sway—praying the swing of the scale shall cease in the dawn of a better day.

The swing of the scales past the balance poise—in continents, nations or men—must cease—with jealousy, fear and noise, if peace is to reign again. Turmoil is born in the human heart when the greed of power rules—and war's unbalancing aftermath turns strong men into fools.

The brighter era of world-wide poise, must dawn in the human heart—that is cleansed of jealousy, lust and noise, that masters the gentle art—of living and loving its fellow man, or working for honest gain, of striving in honor, through life's short span—or dying, that peace may reign.

The triumph that comes to a nation wide, to a state or an industry, is wrought in the heart of its chosen guide, by his faith in humanity.

First we must find in our humble way, a poise in our lives that's true—and weighing our value from day to day, must cling to it all life through. If ever the scales of our life shall swing above or below our worth, remember we've crowded the balancing of our corner of mother earth.

Let's never forget when our life's in poise, and we're plodding in honest ways—we've steadied our balance and learned new joys, that will live with us all of our days.

IT'S A WICKED WORLD BUT IT'S ASTONISHING
HOW FEW OF US WANT TO GET OUT OF IT

BUILDING'S GROWTH SHOWN BY MOVIES

To show the day-to-day progress in construction of one of Chicago's new skyscrapers, a motion picture camera was mounted on the roof of a building across the street for the purpose of taking a few feet of film every day. When the skyscraper is completed, the short pieces of film will be assembled and the building will grow to its full size on the screen in a few minutes.

MANUFACTURE SYNTHETIC LUMBER

Lumbermen of the future will need to be chemists as well as experts on timber if synthetic lumber is to be manufactured extensively in the future.

Synthetic wood was recently made from sugar cane, corn stalks and some sawmill waste. This material was exploded like pop corn or puffed grains and then compressed. A plant 100 miles from a single merchantable tree produces great quantities of this chemically made wood.

MOON POWER

The moon aided the recent installation of a 303 foot steel span, a part of the world's largest highway bridge, over the deep water channel of San Francisco Bay. Engineers in charge of construction of the huge bridge laid careful plans, which depended on the effect of the moon on the tide waters of the bay. The immense structure was carried into position at high tide and slowly installed in its final position by the receding waters.

FIRM USES 13-MONTH CALENDAR

No finger tabulations or mystic "30 days hath September ..." will be necessary to compare the business of June with that of December if supporters of the 13-month calendar have their way. Both months—in fact all 13 months—would have 28 days each.

A clock factory of Worcester, Mass., which has used the new calendar for a decade, reports its experience very satisfactory.

SILVER PROCESS KILLS GERMS

Sterilizing water for drinking purposes will be an easy task if the method discovered by a Munich engineer, Dr. George Krause, proves feasible.

One and one-half grains of chemically prepared silver is all that is needed to destroy the millions of germs in 10,000 quarts of water.

IT IS THE MAN WHO KNOWS WHAT HE WANTS
AND GETS OUT AFTER IT THAT HAS THINGS

INTERESTING FACTS

The first commercial helium manufacturing plant in the world, located in Fort Worth, Texas, will soon be made over into a fish hatchery, officials there have announced.

Funds are available for the work, which will begin immediately. The grounds will be beautified, and ponds will be built and stocked with fish. The plant cost \$4,000,000 when it was put up.

Taxes on radio sets in the United States would amount to \$192,000,000 per year, M. H. Aylesworth, president of the National Broadcasting company, has figured out.

Entertainment from 700 stations could be adequately financed by this means, he pointed out. Such a system is now in use in England.

It cost the National Broadcasting company \$5,000,000 last year for talent and \$2,000,000 for leased wires.

Why the speed of a ship is reckoned in knots rather than in miles per hour is a question that has often perplexed many persons. The explanation is a most interesting one.

Christopher Columbus had absolutely no way of telling how fast his ship was going nor how far, but about 100 years after the discovery of America navigators began to use a "log."

This log was a piece of wood which was tossed over the stern of the ship into the water. Attached to it was a long cord with knots tied in it at regular intervals. As the ship sailed forward, the wood remained stationary behind, and a sailor standing on the ship would let the cord run out through his hands.

By counting the number of knots in the cord that slipped through his fingers in a certain period of time, he was then able to figure the speed of the ship.

The knots were so placed on the string that the number of them that would pass through the sailor's hands equaled the number of miles per hour that the ship was traveling.

It is therefore easy to see how the word "knot" came to be used for the nautical mile.

While the United States is busy trying to keep its immigration rates to a low number per year, Fascist Italy is placing limits on emigration, except to the country's African colonies. As a result population in Italy is growing remarkably fast. An excess of births over deaths has also contributed to this increase.

Fish scales, heretofore cast aside by market owners as waste, are now salvaged by chemists and converted into a synthetic durable material for making fountain pen barrels. More than 20,000,000 pens are made every year by this process.

"TRY IT AGAIN!"

Here's to the chap,
With the smile on his map,
Though Fortune has dealt him a thunderous rap,
And knocked him clean down on the rear of his lap,
Whose only remark is, "Gee whiz, what a slap!
"I'll try it again!"

I'm there with the guy
With the gleam in his eye,
Though Fate has let loose a stiff punch in the eye,
And has scattered his pride all over the sky,
Whose only retort is, "Doggonit if I
Don't go ye agin!"

I'm strong for the brick
With the courage to stick,
Though Failure has hounded him like the Old Nick,
Who cries out at last, "Now I'm on to the trick!"
And camped on his trail when the going was thick,
"Let's try 'er agin!"

HE WHO BUILDS NO CASTLES IN THE AIR, BUILDS NO
CASTLES ANYWHERE

JOHNSON SCREEN INSTALLATIONS

Among the thousands of JOHNSON screen installations, the majority of which have been for residences, a great many include public institutions, hospitals, hotels, etc., of which the following is a representative list:

U. S. Immigration Station, Ellis Island, N. Y.
Soldiers Memorial Field Hospital, Summit, N. J.
Allentown Hospital, Allentown, Pa.
Battle Creek Sanitarium, Battle Creek, Mich.
Caswell Training School, Kingston, N. C.
Johns Hopkins Hospital, Baltimore, Md.
Johnston-Willis Hospital, Richmond, Va.
Kings County Hospital, Brooklyn, N. Y.
K. of C. Infirmary, Gabriels, N. Y.
Kings Park State Hospital, Kings Park, N. Y.
Mattewan State Hospital, Mattewan, N. Y.
Harper Hospital, Detroit, Mich.

Hollenden Hotel, Cleveland, Ohio
Lawrence Hotel, (United Hotels) Erie, Pa.
Penn Lincoln Hotel, Pittsburgh, Pa.
Park Apartments, Buffalo, N. Y.
Scanlon Garden Apartments, Cedarhurst, L. I.
Blind Brook Lodge, Rye, N. Y.
Penn Shady Apartments, Pittsburgh, Pa.

Duke University, Durham, N. C.
Cornell University, Ithaca, N. Y.
Sarah Lawrence College, Bronxville, N. Y.
Ohio State University, Columbus, Ohio

U. S. Dept. of Agriculture, Washington, D. C.
Montgomery-Ward, Chicago, Ill.
Ford Motor Co., Administration Bldg., Detroit, Mich.
Ohio Bell Telephone Co., Cleveland, Ohio
Oxford Bank, Frankford, Pa.
Middlesex Mutual Assurance Co., Middletown, Conn.
Norwood Hydro Elec. Dev. Co., Trinidad, Tex.
N. Y. State & N. J. State Bridge Commission, N. Y. City
Paramount Famous Lasky Corp., Philadelphia, Pa.
Public Service Prod., Newark, N. J.
Blessed Sacrament Convent, Newark, N. J.
Grosse Point Yacht Club, Detroit, Mich.

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